

AMENDMENTS TO THE CLAIMS

1. - 14. (Cancelled)

15. (Previously Presented) An electronic apparatus comprising:
a wireless communication device that executes wireless communication with an external device;
an input device;
means for selecting one of a first communication mode and a second communication mode in accordance with an operation of the input device; and controlling means for controlling the wireless communication between the wireless communication device and the external device, the controlling means including:
first means for, when the first communication mode is selected, establishing one asynchronous connectionless (ACL) channel between the wireless communication device and the external device, setting a first communication condition for one-way communication in the apparatus and the external device, the first communication condition indicating that a first compression-encoding scheme is used in the one-way communication, compression-encoding content data by the first compression-encoding scheme, and executing the one-way communication to transmit the content data compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one ACL channel; and
second means for, when the second communication mode is selected, establishing two independent ACL channels between the wireless communication device and the external device, the two independent ACL channels including a first ACL

channel for transmitting content data from the wireless communication device to the external device and a second ACL channel for transmitting content data from the external device to the wireless communication device, setting a second communication condition for two-way communication in the apparatus and the external device, the second communication condition indicating that a second compression-encoding scheme is used in the two-way communication, compression-encoding content data by the second compression-encoding scheme, and executing the two-way communication to transmit the content data compression-encoded by the second compression encoding scheme from the wireless communication device to the external device via the first ACL channel and receive content data compression-encoded by the second compression-encoding scheme from the external device via the second ACL channel, the second compression-encoding scheme requiring a lesser amount of arithmetic operations compared to the first compression-encoding scheme.

16. (Previously Presented) The electronic apparatus according to claim 15, further comprising:

a display device; and

displaying means for displaying a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively, on a display screen of the display device,

wherein the selecting means includes means for selecting the first communication mode when the first icon is selected by an operation of the input device,

and selecting the second communication mode when the second icon is selected by an operation of the input device.

17. (Previously Presented) The electronic apparatus according to claim 15, wherein the controlling means includes means for controlling communication between the wireless communication device and the external device such that content data sampled with a first sampling frequency is transmitted from the wireless communication device to the external device when the first communication mode is selected, and content data sampled with a second sampling frequency, which is lower than the first sampling frequency, is transmitted and received between the wireless communication device and the external device when the second communication mode is selected.

18. (Previously Presented) The electronic apparatus according to claim 15, wherein the external device is a headset including a speaker and a microphone.

19. (Previously Presented) A computer-readable storage medium which stores a program for controlling wireless communication between a wireless communication device within a computer and an external device, the program comprising:

causing the computer to select one of a first communication mode and a second communication mode in accordance with an operation of an input device of the computer;

causing the computer to establish one asynchronous connectionless (ACL) channel for transmitting content data from the wireless communication device and the

external device, set a first communication condition for one-way communication in the computer and the external device, the first communication condition indicating that a first compression-encoding scheme is used in the one-way communication, compression-encode content data by the first compression-encoding scheme, and execute the one-way communication to transmit the content data compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one ACL channel, when the first communication mode is selected; and

causing the computer to establish two independent ACL channels between the wireless communication device and the external device, the two independent ACL channels including a first ACL channel for transmitting content data from the wireless communication device to the external device and a second ACL channel for transmitting content data from the external device to the wireless communication device, set a second communication condition for two-way communication in the computer and the external device, the second communication condition indicating that a second compression-encoding scheme is used in the two-way communication, compression encode content data by the second compression-encoding scheme, and execute the two-way communication to transmit the content data compression-encoded by the second compression-encoding scheme from the wireless communication device to the external device via the first ACL channel and receive content data compression encoded by the second compression-encoding scheme from the external device via the second ACL channel, the second compression-encoding scheme requiring a lesser amount of arithmetic operations compared to the first compression-encoding scheme.

20. (New) An electronic apparatus comprising:

a wireless communication device configured to execute wireless communication with an external device;

an input device; and

a processor configured

- (a) to select one of a first communication mode and a second communication mode in accordance with an operation of the input device,
- (b) to establish one transport channel between the wireless communication device and the external device when the first communication mode is selected, a role of a source device for the one transport channel being assigned to the apparatus and a role of a sink device for the one transport channel being assigned to the external device,
- (c) to set a first communication condition for one-way communication in the apparatus and the external device, the first communication condition indicating that a first compression-encoding scheme is used in the one-way communication,
- (d) to compression-encode content data by the first compression-encoding scheme,
- (e) to execute the one-way communication to transmit the content data compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one transport channel,
- (f) to establish two independent transport channels between the wireless communication device and the external device when the second communication mode is selected, the two independent transport channels including a first transport channel

transmitting content data from the wireless communication device to the external device and a second transport channel transmitting content data from the external device to the wireless communication device, a role of a source device for the first transport channel being assigned to the apparatus, a role of a sink device for the first transport channel being assigned to the external device, a role of a source device for the second transport channel being assigned to the external device, and a role of a sink device for the second transport channel being assigned to the apparatus,

(g) to set a second communication condition for two-way communication in the apparatus and the external device, the second communication condition indicating that a second compression-encoding scheme is used in the two-way communication, compression-encoding content data by the second compression-encoding scheme, and

(h) to execute the two-way communication to transmit the content data compression-encoded by the second compression-encoding scheme from the wireless communication device to the external device via the first transport channel and receive content data compression-encoded by the second compression-encoding scheme from the external device via the second transport channel, the second compression-encoding scheme requiring a less amount of arithmetic operations compared to the first compression-encoding scheme.